Internet of Things (IoT) of Smart Home: Privacy and Security

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Abstract

The smart home is an environment, where heterogeneous electronic devices and appliances are networked together to provide smart services in a ubiquitous manner to the individuals. Organization and people are wide accepting and adopting the functionalities offered by the smart home applications. This can be because of the various advantages, in easing users’ everyday life and work, provided by the rising Internet of Things (IoT) technologies and devices, equipped with sensors, cameras, or actuators, and able either to accumulate information from the environment or to perform proper tasks. The main features of smart homes embrace real-time monitoring, remote control, safety from intruders, gas/fire alarm, and so on. Since among smart homes, sensitive and personal data are managed, security and privacy solutions should be put in place, to protect users/businesses’ data against violation try still on guarantee the supply of reliable services. As IoT home devices become increasingly ubiquitous, study’s findings and recommendations contribute to the broader understanding of users’ evolving attitudes towards privacy in smart homes.
References

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Index Terms

Computer Science

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Keywords

Internet of Things (IoT), Smart home, Privacy and Security